

PEO / SC VISION

Presented by
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Director, SC 21 Program Office

31 July 1997



Presentation Topics

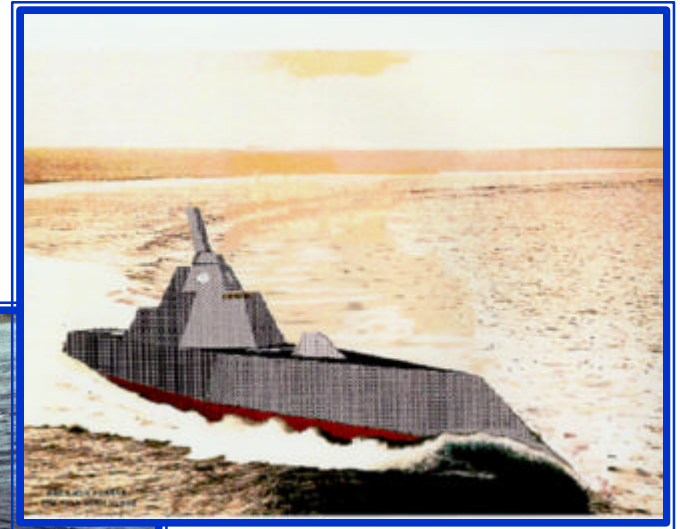
- ◆ PEO Mission
- ◆ Current / planned initiatives
- ◆ Challenges ahead





PEO Mission

Accountable to the Warfighter



To engineer, build, modernize and sustain war ready surface combatants that meet the needs of the joint forces world wide into the 21st century.



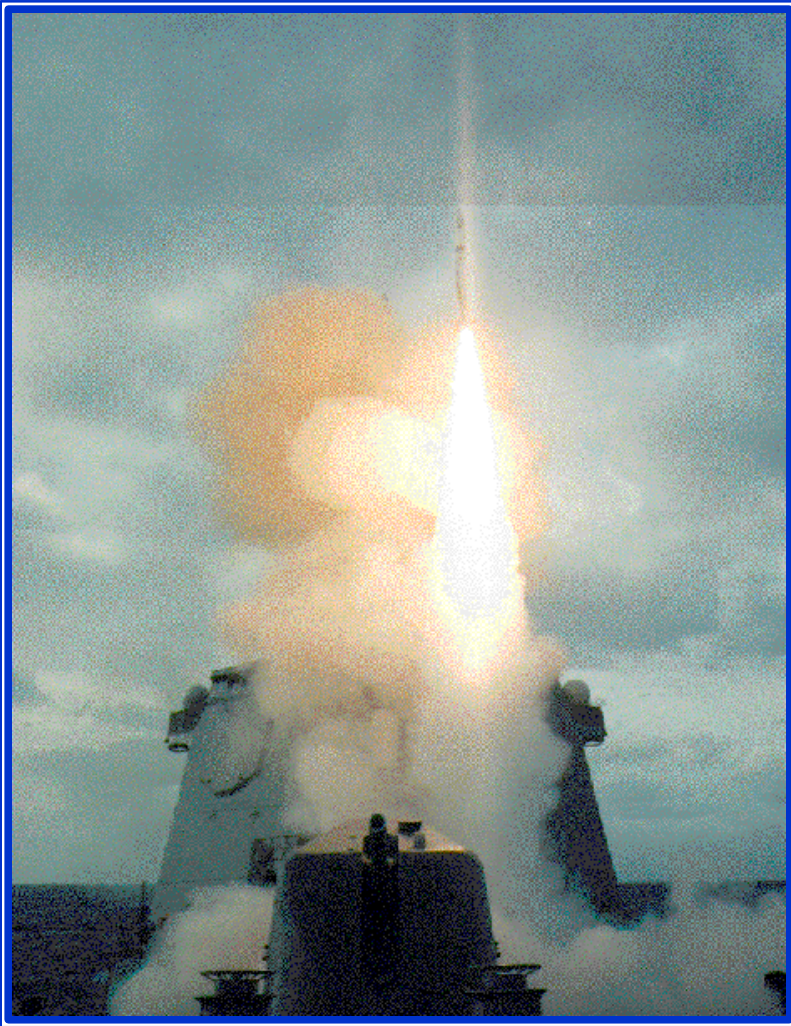
Imperatives for the 21st Century

- ◆ Layered offense
- ◆ Joint warfighting
- ◆ Stealth
- ◆ Optimum manning
- ◆ Upgradeability
- ◆ Modularity

Total Ship Systems Engineering



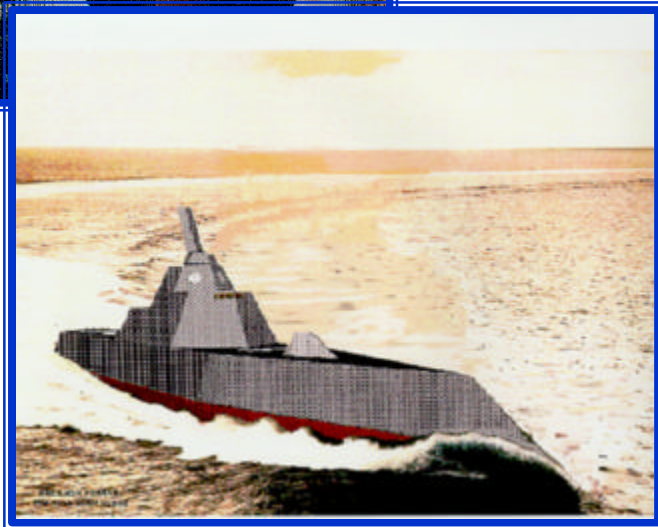
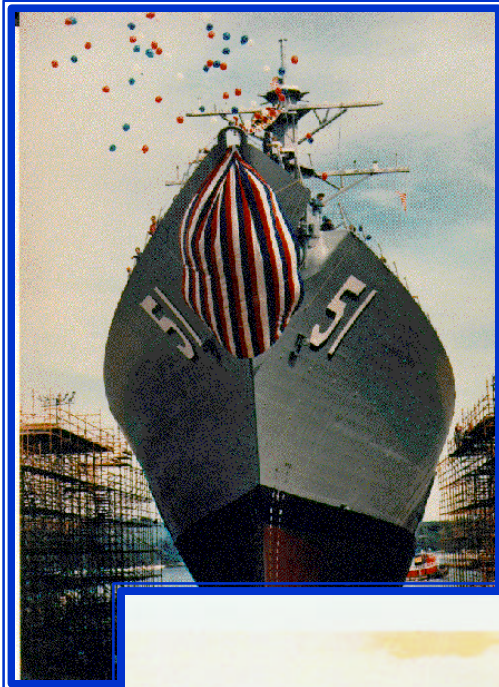
Current Environment



- ◆ USN OPTEMPO = Cold War
- ◆ Force structure smaller
- ◆ Reduced budgets
- ◆ Low ship procurement rates



Surface Combatant Requirements



- ◆ Precision strike and interdiction
- ◆ Naval surface fire support
- ◆ C⁴ISR interoperability
- ◆ Survivability / stealth
- ◆ Optimum manning

Innovation needed



Current Initiatives

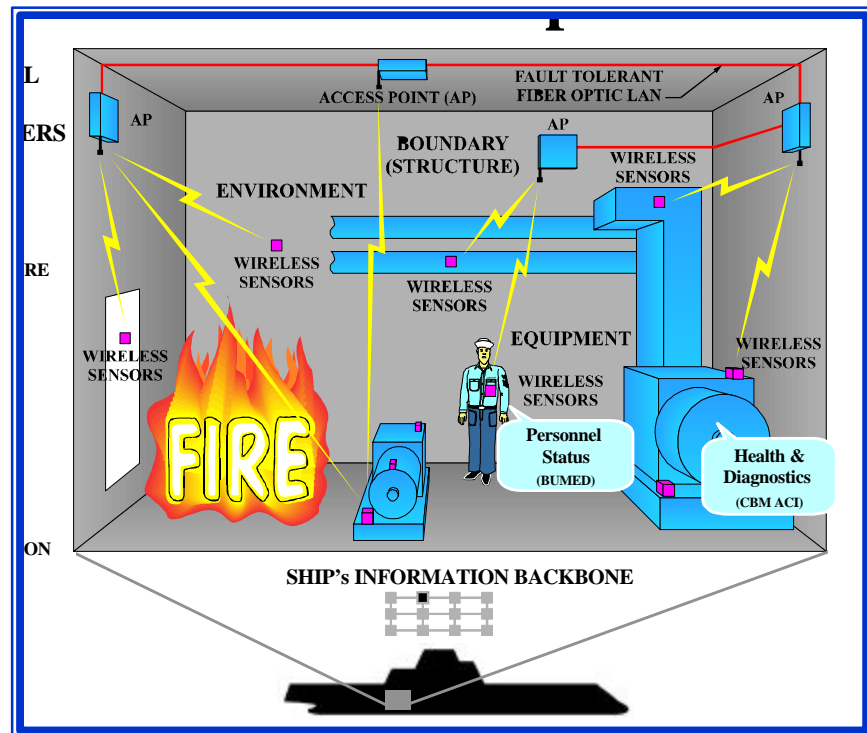
Smart Ship



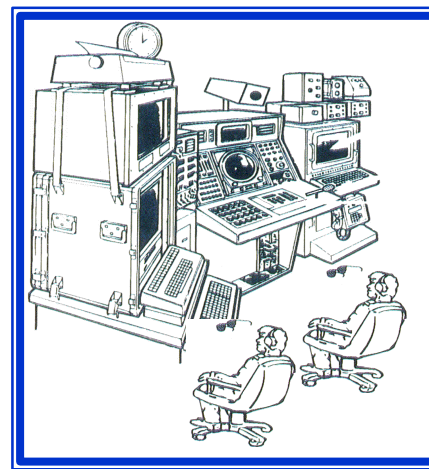
[*http://www.dt.navy.mil/smartship*](http://www.dt.navy.mil/smartship)



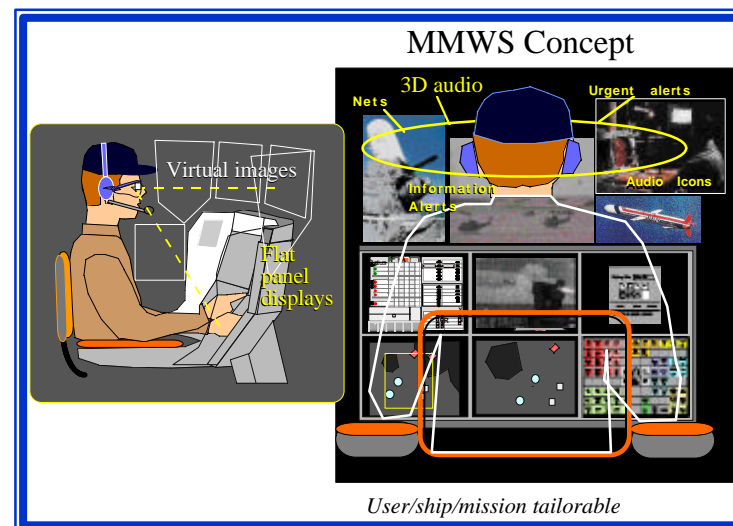
Current and Planned Initiatives Manning Related ATDs



Reduced Ships-Crew by
Virtual Presence (FY 99)



Embedded
Training
(FY 96)

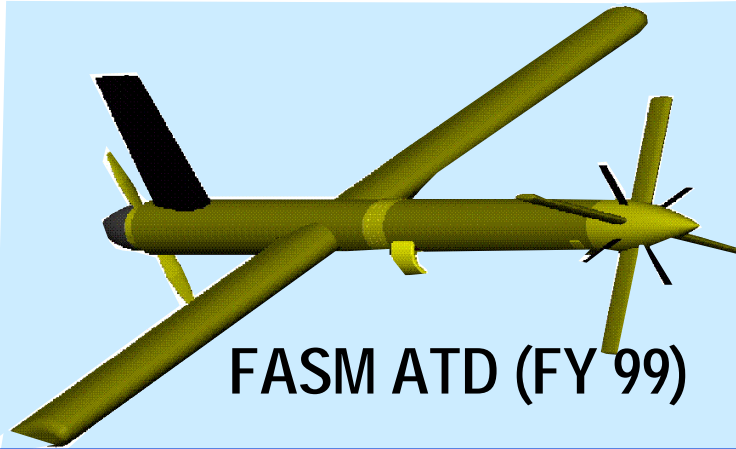


Multi-modal Watch Station (FY 97)
(now funded in Affordability Program)



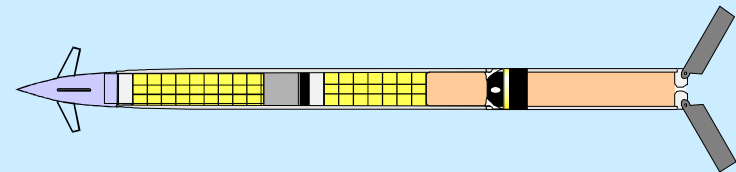
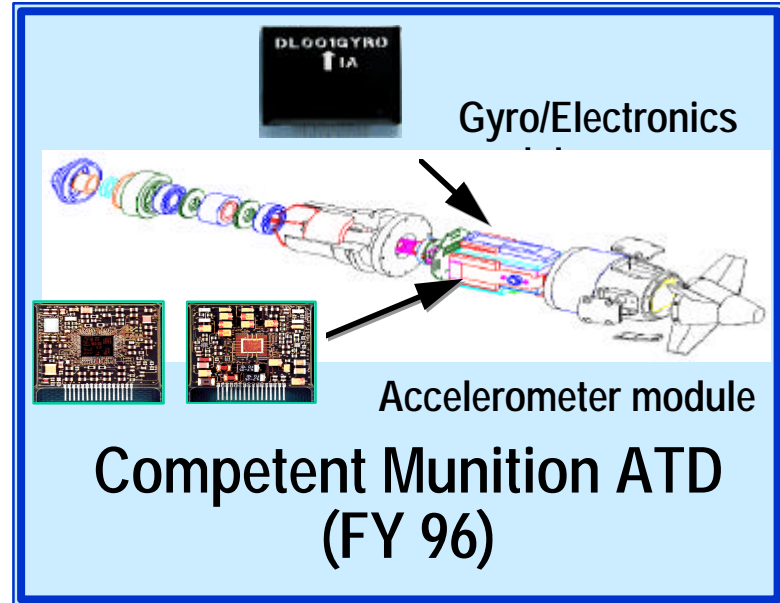
Current and Planned Initiatives

Land Attack Related ATDs



FASM ATD (FY 99)

Low Cost Missile
System ATD (FY 97)

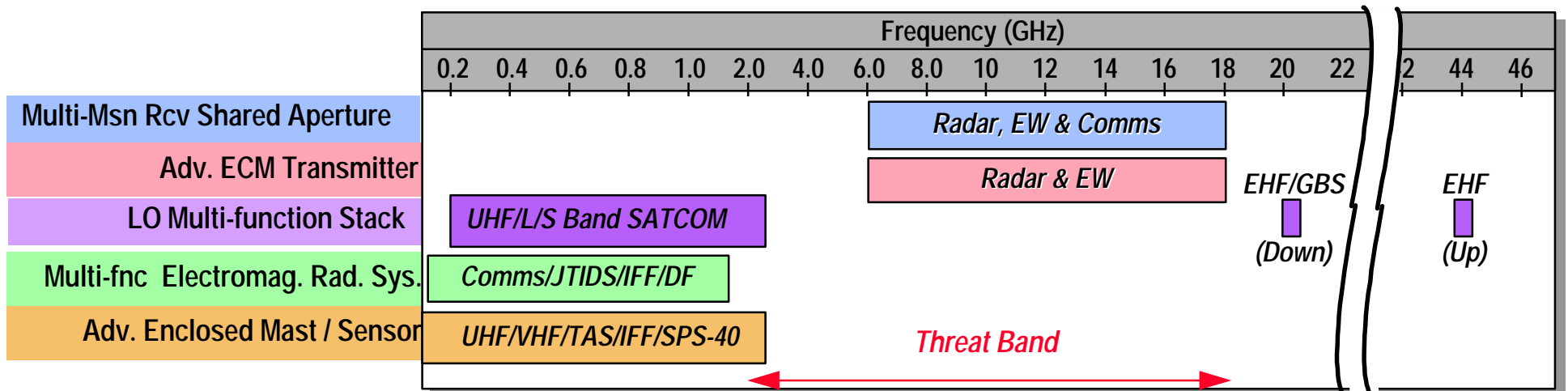
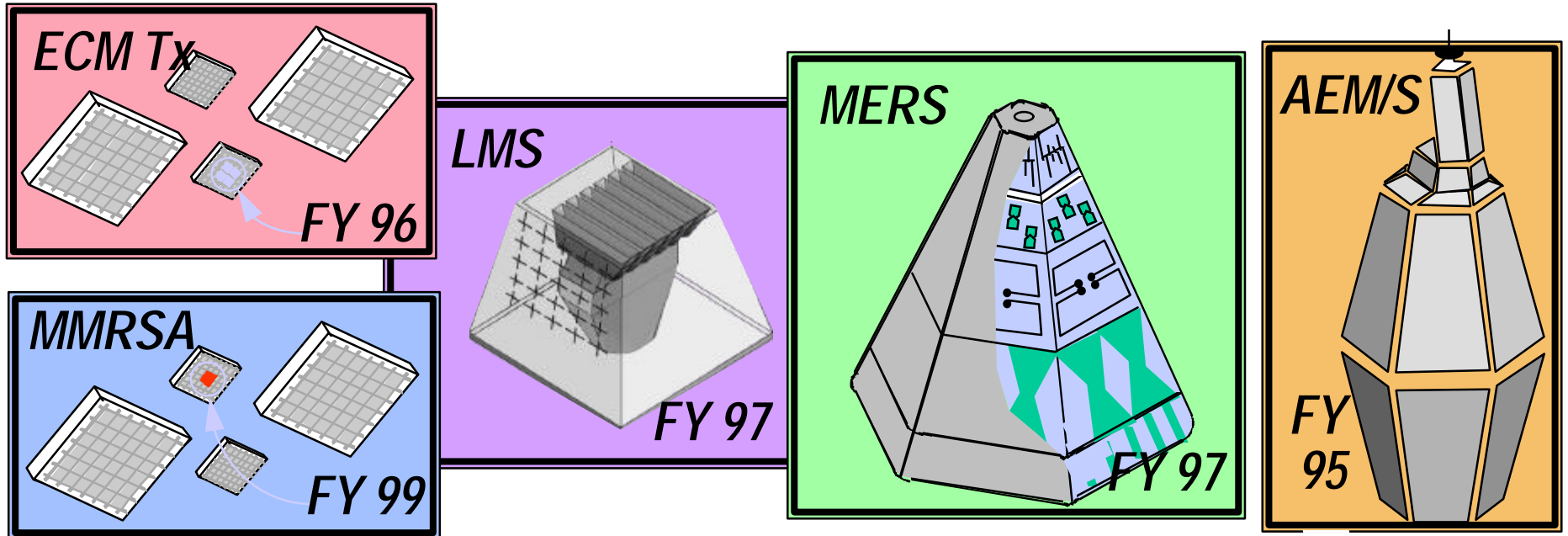


Best Buy ATD (FY 97)



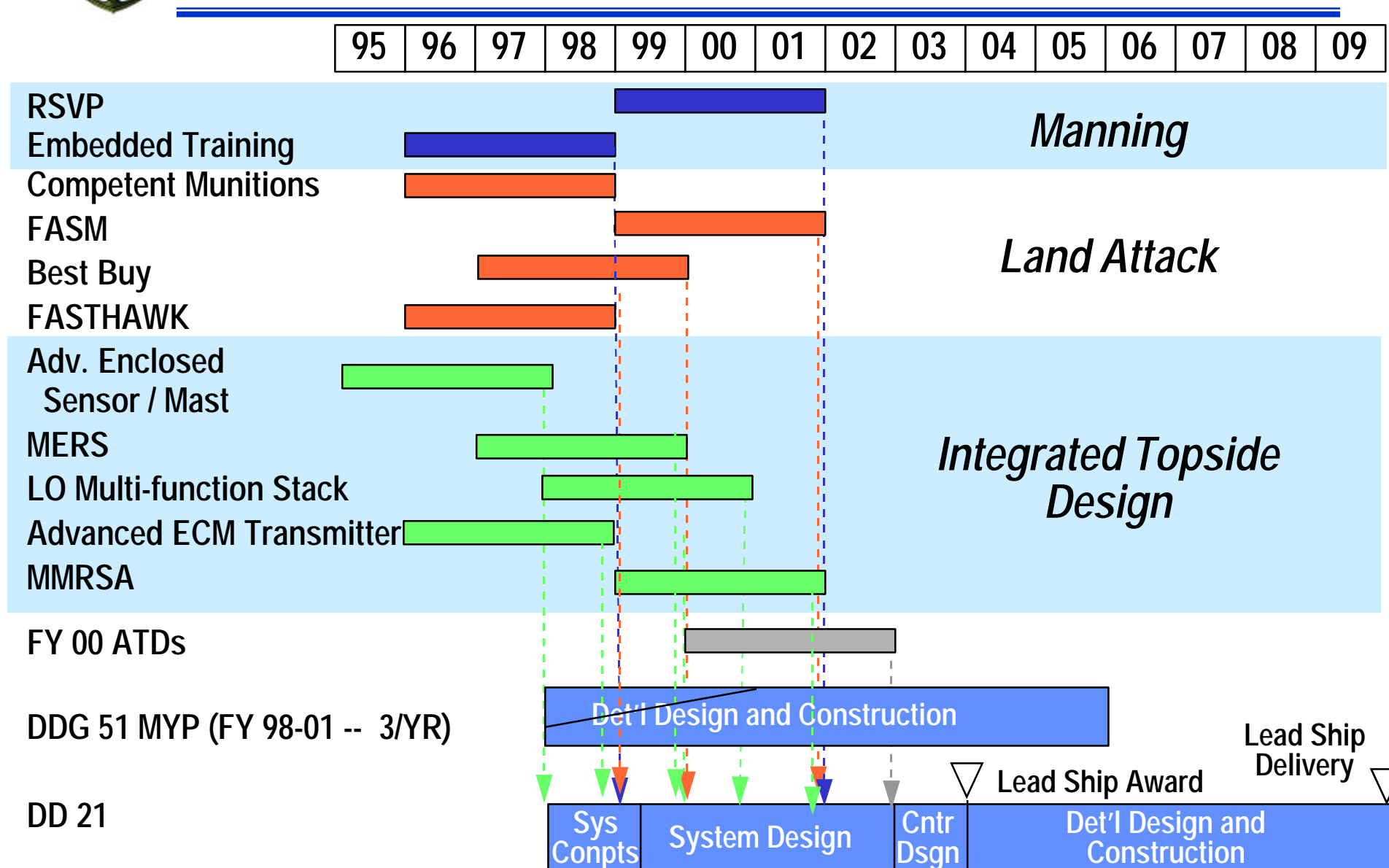
Current and Planned Initiatives

Integrated Topside Design Related ATDs



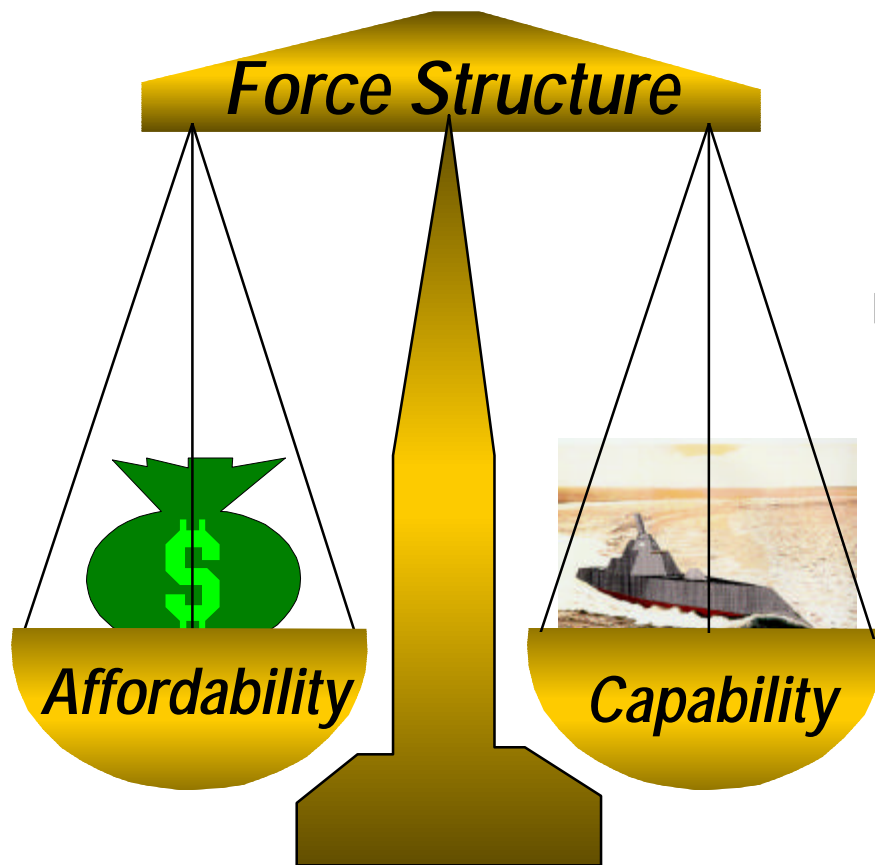


Schedule





Challenges Ahead



- ◆ Build affordable capability over time
- ◆ Maximize efforts to optimize manning
- ◆ Engineer once
- ◆ Leverage R&D investments
- ◆ Transition products to surface combatants

Together, we can meet the challenges